

BGA glider data sheet - Skylark 2 & 2B (T.41)

Data source: Slingsby's Rigging & control data

Date of issue:

Manufacturer: Slingsby

Phone: 01751 432474

Fax: 01751 431173

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	331	730
BGA concession non-aerobatic max weight (dry) [+3%]	341	752
Max weight of non lifting components (everything except wings)		
BGA concession non-aerobatic max weight of non lifting components [+5%]		
Max pilot weight (seat load)		

mm inches

Forward C of G limit (aft of datum)	342	13.5
Aft C of G limit (aft of datum)	482	19.0
Pilot position (forward of datum)	392	15.43

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage top 16:1000 tail down (0.9°)

Maximum speeds

	Knots	Kph
VNE	121	224
Rough air	76	141
Manoeuvre	72	133

	Knots	Kph
Aerotow	72	133
Winch / auto tow	61	113
Airbrakes open	121	224

Max winch weak link: 1000 lb (BGA figure 600 Kg blue)

Tyre pressure: Main 35 - 40 psi

Semi aerobatic - Cloud flying permitted

Notes: -

Span 14.63 Meters

Control deflections in mm

	Up	Down	Measuring point
Ailerons	105 ±5	53 ±5	Inboard TE (5±2mm droop)
Elevator	185 ±10	185 ±10	Inboard TE
Trim	50 min	50 min	TE
Rudder	Left 320	Right 320	Extreme TE
Airbrakes	130 min		

Aileron cable tension 25-30 lb

Elevator cable tension 40-50 lb

This sheet compiled by: Dave Bullock & Tim Macfadyen Date: 6 November 2001